

THE TECH

Boston, Massachusetts.

April 23, 1896.

Volume XV.

Number 26.

WE GUARANTEE TO MEET IN COMPETITION
any Tailoring concern in this city, in the matter of Fit, Quality, and Price.

HIBBARD, MASON CO.,

FINE TAILORING,

Dress Suits, Silk Lined, to Order, \$45.

515 Washington Street, Boston.

THE HOTEL HUNTINGTON,

Copley Square and Huntington Avenue.



C. A. JONES & CO., Proprietors.

STUDENTS' SUPPLIES.

Blank Books, Note Books, Drawing Papers, Pens, Inks
of all kinds, Fountain Pens.

PERIODICALS AND MAGAZINES.

Writing Paper and Envelopes with TECH Monogram
and Imprint Paper by the pound, at

SOUTHWELL'S,

Corner Dartmouth Street and Columbus Avenue,
and 439 Boylston Street.

2d door from Berkeley Street.

OAK GROVE CREAMERY COMPANY,
DAIRY LUNCH ROOM.

445 BOYLSTON STREET, COR. BERKELEY, opp. Y. M. C. A. Building,

Where can be had Sandwiches of all kinds, Soups, Tea, Coffee, and regular Dairy Lunch.

EVERYTHING FIRST CLASS.

Pure Fresh-churned Butter, in Quarter-pound Prints, Five and Ten Pound Boxes,
Pure, Fresh Milk and Cream, delivered in Glass Jars. Fresh-laid Eggs.
Pure, Full Cream Cheese, American (plain), Sage, Neuf-
chatel and Edam. All kinds of Fruit Ices.

NELSON L. MARTIN.

STUDENTS' SUPPLIES.

Drawing Instruments and Materials of all kinds

GET THE BEST!—**FOUNTAIN PENS.**—WATERMAN'S IS THE BEST.

Lowest Prices and Finest Quality of Goods Guaranteed.

At Room 10 Engineering Building and Basement of Architectural Building.

R. J. NORMAN.



GYMNASIUM
Physical
Culture
Keep in
Condition
by using
our
GYMNASIUM.

Boston Young Men's Christian Association,

Boylston and Berkeley Streets.

TERMS, \$10 PER YEAR.

MEDICAL SUPERVISION.

FINE APPARATUS.

CONVENIENT LOCKERS.

FREQUENT CLASSES. FREE INSTRUCTION.

OPEN, 9 A. M. TO 10 P. M.

R. J. ROBERTS, Director.

THERE ARE TWO KINDS OF BICYCLES

Columbias
and others.

There are no untried devices in 1896 Columbias. Every detail has been perfected by at least a year's use.

Beautiful Art Catalogue for 1896 of Columbia and Hartford Bicycles is free if you call upon any Columbia agent; by mail from us for two 2-cent stamps.



POPE MANUFACTURING CO.

Factories and General Offices, Hartford, Conn.

Branch Stores and Agencies in almost every city and town. If Columbias are not properly represented in your vicinity let us know.

Bookbinding

IN EVERY STYLE.

ALEX. MOORE, 3 School Street, BOSTON.

C. E. RICHARDSON,

141—Dartmouth Street—141

FURNISHING GOODS, and Agent for DARTMOUTH LAUNDRY.

Orders by mail receive prompt attention.

Goods called for and delivered without extra charge.



J. C. LITTLEFIELD,
Tailor · and · Outfitter,
21, 23 BEACON STREET, BOSTON.

I can offer you a larger and more complete assortment than can be seen elsewhere, and at lower prices for the same qualities. Look in and examine my prices before placing your order.

GOLF BREECHES, RIDING BREECHES, AND DRESS SUITS A SPECIALTY.
DISCOUNT TO STUDENTS.

HASTINGS... PHOTOGRAPHER

To the Class of '95, M. I. T.,
Tech Editorial Group '96, and
Tech Institute Committee Group '96.
Special Rates to Students of M. I. T.
\$3.50 per doz. for Cabinet Ivorygraphs.
Pastels, Crayons, Water Colors.

No. 146 Tremont Street,

Over Huyler's.

Branch . . . No. 1068 Boylston Street,
Corner Massachusetts Avenue.

SILVER MEDAL, Boston, 1881. Gold Medal, Boston, 1887. Grand Prize, P. A. of A., Washington, 1890. Bronze Medal, Washington, 1890. Gold Medal, Boston, 1892. Silver Medal, Chicago, 1893. Aristo Award, St. Louis, 1894. Gold Badge, Cramer Award, St. Louis, 1894. Special Diploma, Illustrative Class, St. Louis, 1894. Gold Medal, Boston, 1895.

STANDARD CLOTHING CO.,

MANUFACTURING RETAILERS OF

HIGH GRADE CLOTHING

From both Foreign and Domestic Fabrics.

ALSO ADVANCE STYLES IN TROUSERS, SUITS, AND OVERCOATS.

Full Dress Suits Constantly on Hand.

395 WASHINGTON ST., - - BOSTON MASS.

THE Union Gymnasium

48 BOYLSTON ST. (near Tremont).

PRACTICAL.

Complete
Modern
Apparatus.

Popular
Classes.

Terms,
\$5 and \$8
per Year.



POPULAR.

Extra
Large
Lockers.

Competent
Instructors.

No Extra
Charge
for Instruction

BOSTON YOUNG MEN'S CHRISTIAN UNION.

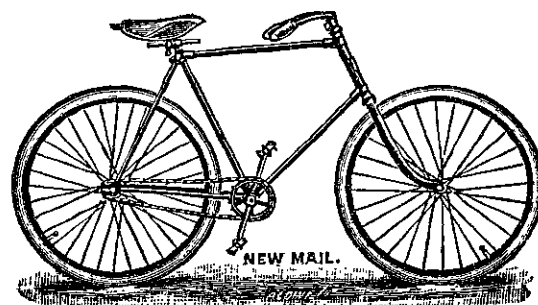
WM. H. BALDWIN, Pres.

GEORGE PIERCE, Sec'y.

NEW MAIL

HIGHEST GRADE LIGHT ROADSTER.

\$85.



MEN'S AND LADIES' pattern . . . \$85

Also **TEMPLAR**, best medium grade Man's
Wheel . . . \$60

ATALANTA, Ladies' Pattern . . . \$60

Boys' and Girls' Wheels . . . \$15 up

A few Shopworn and Secondhand Wheels, taken in
trade, at very low prices. Bargains. \$25, \$30, etc.

Catalogue and Secondhand list.

.. WILLIAM READ & SONS ..

107 WASHINGTON STREET, BOSTON

L. P. HOLLANDER & CO.,

202 to 212 BOYLSTON STREET AND PARK SQUARE.

SPRING FASHIONS IN YOUNG MEN'S CLOTHING.

EVERYTHING WE OFFER FOR SALE IS EXCLUSIVELY OF OUR OWN MANUFACTURE.

SACK SUITS OF TWEEDS AND HOMESPUNS, \$18 TO \$26.

KNICKERBOCKER SUITS AND TROUSERS OF IRISH AND SCOTCH HOMESPUNS A SPECIALTY.

Silk-lined Covert Coats, \$24.

ALSO, NEW STYLE HATS, NECKWEAR, ETC.

Frank Wood,

Printer,

352 Washington Street, Boston.

REED & BROTHER,

ESTABLISHED 1848.

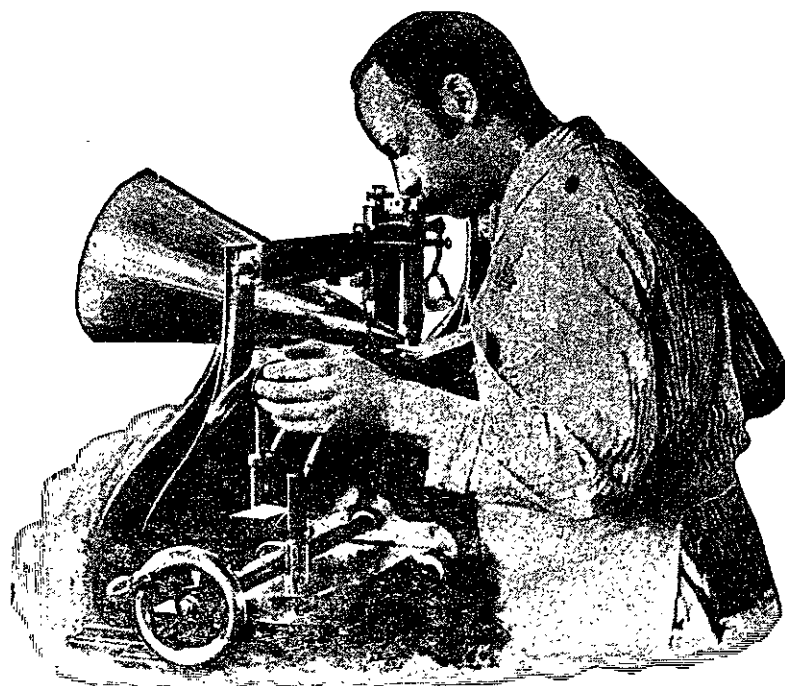
INSURANCE,

No. 50 KILBY STREET, BOSTON.

GEORGE W. REED.

EUGENE M. SMITH,

GEORGE C. BOSSON.



BROWN & SHARPE MANFG. CO.

Providence, R. I.

QUALITY OF WORK.

We have exceptional appliances for the attainment of accuracy. Our **Standard Measuring Machines** measure variations of one hundred-thousandth of an inch. Our **Odontom Engine** furnishes us with templates of gear teeth with the curves theoretically correct. Our **Surface Plates and Straight Edges** are unusually large and numerous, and we can cut extremely accurate Screws of any length. The advantages of these appliances are shown in the character of our Machinery and Tools. Catalogue on application.

TUTORING IN MATHEMATICS.
F. H. SAFFORD, A.M.,

80 WENDELL ST., CAMBRIDGE.

INSTRUCTOR IN MATHEMATICS, HARVARD UNIVERSITY.



\$15.25

BUYS THIS

MELTON COAT

MADE TO MEASURE.

Fine Linings.

Perfect fitting.

Satisfaction guaranteed.

New Plymouth Rock Co.,

11 Eliot and 108 Court Sts.,

BOSTON.

Agents Wanted in all parts of the U. S.



Raphael, Angelo, Rubens, Tasso

The "LINENE" are the best and most economical Collars and Cuffs worn; they are made of fine cloth, both sides finished alike, and, being reversible, one collar is equal to two of any other kind.

They look like linen, and are the only goods that a well-dressed gentleman can wear in place of real linen.

They are not to be washed; all laundry trouble and expense are avoided.

They are perfect-fitting, retaining their shape better than any other goods.

A box of ten Collars or five pairs of Cuffs for twenty-five cents.

A sample Collar and pair of Cuffs by mail for six cents in postage stamps. Name style and size. Address

REVERSIBLE COLLAR CO.,

77 Franklin St., N. Y.

27 Kilby St., Boston.

HOUGHTON & DUTTON.

Pictures, Picture Frames and Mirrors.

No. 3 BEACON STREET--GROUND FLOOR.

We can save you MUCH MONEY on READYMADE FRAMES, which we can sell you for HALF THE PRICE that you would pay for frames made to order.

We also have our own Factory, where we manufacture Mouldings of all descriptions, and can frame your pictures to order at prices far less than you would pay for the same work at picture stores.

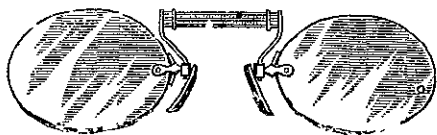
We make a specialty of French and German Plate Mirrors of all sizes. Cabinets, Medallion Pictures, etc., etc.

TREMONT AND BEACON STREETS, BOSTON.

CONTINENTAL CLOTHING HOUSE, MEN'S, BOYS', AND CHILDREN'S CLOTHING, GENTS' FURNISHINGS, HATS AND CAPS.

Fine custom work made from measure. Uniforms of every description. Special attention given to TECHNOLOGY and ENGLISH HIGH SCHOOL UNIFORMS. Workmanship the best. Prices the lowest.

CONTINENTAL CLOTHING HOUSE,
Corner Washington and Boylston Streets, Boston, Mass.



OF ALL BAR SPRINGS THE FOUR-BAR IS THE BEST

C. E. DAVIS,
Manufacturing and Prescription Optician,
No. 2 Park Square, Rooms 1 and 2, Boston.

MAKER OF THE FINEST GLASS OF PRESCRIPTION OPTICAL WORK AT A SAVING OF 75 PER CENT ON OLD PRICES.

SAMPLE PRICES: Compound Cylinders in Steel (best quality), \$2.50. Artificial Human Eyes, to Patient, \$4.00. Fifteen per cent special discount to students.

IMPORTER OF ARTIFICIAL EYES.

SELECTION PACKAGES FURNISHED.

Why use Pond's Extract? Why not something else? Because—

DR. J. J. THOMAS says: "It is incomparably superior to any extract of Hamamelis I have ever used."

DR. O. G. RANDALL says: "Nothing can equal Pond's Extract. I have tested others, and yours is four times as strong as the best."

DR. J. C. MITCHIE says: "Pond's Extract of Hamamelis Virginica is the only reliable article I have found."

DR. H. K. WEILER says: "The difference between Pond's Extract and so-called Witch Hazel is the difference between a cent and a dollar."

DR. H. F. MERRILL says: "It is far superior to any I have used in strength and purity."

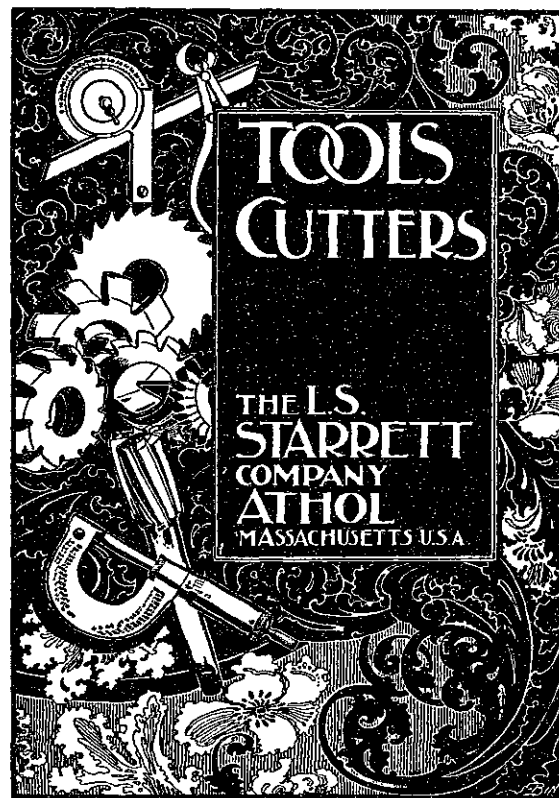
DR. R. J. HARRISON says: "I have never found any extract equal to Pond's."

DR. POWELL says: "Hereafter I shall use no other than Pond's Extract."

And numerous others of similar purport.

No proprietary article on the market is so much imposed upon as Pond's Extract; but the poor quality of Witch Hazel being manufactured, and the poor results obtained by using it, are fast educating the public to buy the genuine article.—THE WESTERN DRUGGIST.

And that's why.



OUR NEW CATALOGUE—98 pages—the best of modern fine tools—for mechanics and draughtsmen. Shall we send you one?

THE L. S. STARRETT CO., BOX 62, ATHOL, MASS.

TRADE MARK

COLLINS & FAIRBANKS
CELEBRATED
HATS

SOLE AGENTS
FOR
HENRY HEATH'S AND
A.J. WHITE'S LONDON
HATS

STYLES CORRECT
QUALITY UNEQUALLED

381
WASHINGTON ST. BOSTON

Messrs Brooks & Co.
Importing Tailors
15 MILK STREET.
OPPOSITE OLD SOUTH CHURCH.

LONDON OFFICE, 6 SAVILE ROW, W.

THE LARGEST ASSORTMENT OF FOREIGN WOOLLENS SHOWN IN BOSTON

M. I. T. CO-OPERATIVE.

THE TECH

VOL. XV.

BOSTON, APRIL 23, 1896.

NO. 26

THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

SHELDON LEAVITT HOWARD, '97, *Editor in Chief*.
CHARLES E. A. WINSLOW, '98, *Assistant Ed. in Chief*.
EDWARD ARTHUR BALDWIN, '96.
CLARENCE WARNER PERLEY, '96.
HARRY DRAPER HUNT, '97.
WILLIAM MONTAGUE HALL, '98.
LESTER DURAND GARDNER, '98.
WARD WELLINGTON WARD, '98.
CLARENCE RENSHAW, '99.
HERBERT DOUGLAS VANDERHOOF, '99

THOMAS EDDY TALLMADGE, '98, *Secretary*.

W. R. STRICKLAND, '98, *Business Manager*.
E. R. SHEAK, '99 *Ass't Business Manager*.

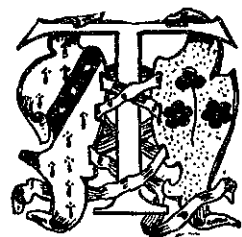
Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

During the remainder of the college year the office of THE TECH, Room 30, Rogers Building, will be open on Thursdays from 12 M. to 1.30 P. M.

Entered in Post Office, Boston, Mass., as Second Class Matter.



THE announcement of a regular schedule of postgraduate studies of one year's duration, leading up to the degree of Master of Science in Course V., marks a distinct step in the progress of advanced study at the Institute. This is, if we are not mistaken, the first definitely arranged course of studies which has been put forth as leading to the higher degrees. As the number of students who come to the Institute, actuated by a love of learning and not by the desire for a lucrative profession, increases, the need of such courses is more and more strongly felt, and their position in the curriculum becomes of greater and greater importance. The tone furnished by a large number of graduate students is a very valuable one; and such will undoubtedly increase rapidly among us in the near future.

THERE has been no event of the college year which has reflected so much credit on Technology and Technology men with the world at large as the recent Beaux Arts competition in New York, and the decision of the jury of architects which judged the drawings submitted. The fact that we won the gold medal and the highest awards in the two first classes, added to our corresponding victories of last year, seems to show that the Institute is without a peer in the Department of Architecture among the scientific schools of this country. We like to think that the successful competitors were as zealous of adding to Alma Mater's fair record when they worked day and night for three months on their designs as they were of obtaining personal renown. Technology is before the world as a scientific school and she must choose her rivals from the realm of scientific schools, and not from the number of classical institutions. When she has done so she has been uniformly victorious. It only seems a pity that we can not be brought into competitive contact with our rivals more often, especially in the engineering branches, in the proficiency of which we have as much confidence as we have in that of our department of Architecture. But such not being the case we must this time give all honor to Professor Despradelles and his successful pupils in Course IV.

THE *Brunonian* replies very courteously to our comments upon its report of the Musical Competition, and calls attention to the fact that a decision was expected from the judges on the merits of each club taken separately. Such was our expectation, also, before the contest; but the fact remains that

the decision was not so rendered. The editorial goes on to ask what other conjunctive word than "&" "could have been used to connect the names of two clubs of the same university? Furthermore, we said 'and' and not '&,' as though our clubs carried around a painted sign." If the Editors of the *Brunonian* will consult their back files they will see that this is an error. Our point was exactly this,—that "&" was used in one place, to connect the names of the instrumental clubs, while the written word, with a less suggestion of intimate partnership, was used to separate the Glee Club from the rest.

THERE has existed for some years a peculiar bond of rivalry between Technology and Brown. In football, in baseball, in track athletics, and recently in military and musical competitions, when we have looked for a particularly worthy adversary we have turned to Providence. A contest with Brown is always marked by an intenser eagerness, by a keener striving for success, than that with any other college, and yet beneath this strong rivalry there lies an equally strong feeling of mutual respect and esteem.

Technology and Brown are alike left out in the cold by the Triangular League of Amherst, Dartmouth, and Williams. This league detracts largely from the interest of the Worcester Meet and renders desirable the formation of other special leagues among the members of the Intercollegiate Association. Dual games, for instance, between Technology and Brown could not fail to be of value in arousing a much greater interest than is at present felt by the students at large, and in furnishing valuable practice for the men themselves. A team race has already been planned to be run off between the two colleges some time in May. Would it not be possible to arrange for other track events as well, which might pave the way to a true Dual League in the future?

The Beaux Arts Competition.

THE results of the competition held by the Beaux Arts Architectural Club of New York have been made public, and as was the case last year, Technology has come out with all the honors. In Class A, the problem of a university club, the Gold Medal was won by Mr. Albert Spahr. Mr. Spahr is from Minneapolis, and has had considerable experience in architecture before he attended the Institute. In joint connection with Mr. Jones of Minneapolis, he won fourth prize in the Minnesota State capitol competition, and first in the competition for the State Normal School.

The first mention in Class A was won by Mr. Chamberlain of Hudson, Ohio. Mr. Chamberlain is a postgraduate student, and throughout his course has excelled in design.

In Class B, the problem of a small theatre, Mr. Russell Porter of Vermont won the first mention. Mr. Porter is a '96 man, and last year served on the artistic staff of "Technique." Mr. Dyer, who has carried off the second honors, is from Portland, Me., and also served on "Technique '96" as a member of the artistic staff. The competition was open to all students and members of architectural clubs. The prizes awarded to our men were made "unanimous and with congratulations."

Calendar.

- Thursday, April 23d: Meeting of the Geological Society in Room 14, Rogers, at 4.15. Meeting of Society of Arts.
- Friday, April 24th: Baseball Game: Tufts, '98, vs. Technology, '98, at College Hill.
- Saturday, April 25th: Meeting of Y. M. C. A.
- Monday, April 27th: Baseball Game: Harvard, '99, vs. Technology, '98, at Cambridge. Meeting of L'Avenir, 4 P. M.
- Tuesday, April 28th: Meeting of Biological Society in Room 14, Rogers, at 12 M.
- Wednesday, April 29th: Baseball Game, Exeter Academy vs. Technology, '98, at Exeter, N. H.
- Thursday, April 30th: Concert of Musical Clubs at Y. M. C. A.

Olympic Games.

THE teams of the Boston Athletic Association and Princeton University which represented American Athletics at the revival of the Olympic Games at Athens, sailed from New York March 21st. The games began on April 5th, and lasted until April 15th. The American athletes competed in the 100, 300, 500, and 1,500 metre foot races, 110-metre hurdle race, pole vault, running broad and high jumps, and the long distance run from Marathon to Athens, a distance of 48 Kilometres, or about 28 miles. In addition to these events, there were gymnastic sports, including exhibitions on rings and parallel bars as well as horse leaping, and class work; fencing and wrestling, shooting with army rifles, carbines and pistols, nautical sports, races for steam yachts over a ten-mile course, races for sailing vessels, rowing for one-oared skiffs, two and four-oared yawls with outriggers, swimming 100, 500, 1,000 metres, a game of water polo, bicycle races of 2,000 to 10,000 metres and 100 Kilometres, as well as lawn tennis and cricket were included in the programme.

The new series of Olympian games was opened on the Athenian Stadium on Sunday, April 5th. More than 40,000 people were admitted to the stadium, including the King of Greece, the duke of Sparta, the crown prince, and other members of the royal family, the members of the diplomatic corps, and many other prominent persons. The hills, near the stadium, from which a view could be obtained, were covered with people who were too poor to pay the entrance fee to the stadium, and great enthusiasm was shown. B. A. A. won firsts in the 100 and 400 metres, high jump, broad jump, hurdle race, hop step and jump, pole vault, as well as the rifle and revolver shoot, making eight in number. This association has four seconds to its credit. Princeton won firsts in the discus and weight throwing, and seconds in the 400 meter run, high jump, broad jump, and pole vault.

My Matter-of-Fact Cousin.



ELL, what is the matter with you now?"

I spoke rather sharply, for my roommate had had a three day's grouch, and his brusque entry and the emphatic attitude of determined abandon

with which he sat down, showed that either matters were approaching a climax or else that poor Tom was sinking still further into his attack of the molly-grubs.

Tom looked at me with something less than a frown, and inquired whether I thought he was a complete fool. I admitted that he was not. He demanded further whether I thought he looked like a man who is in love. His abstraction and total disregard for old friends argued that such was the case, and I started to tell him so, but I modified my statement into a more guarded form in which I expressed the candid opinion, that if all men in love acted the way he had been acting during the past three days, I sincerely hoped that my family would be spared. Thereupon, Tom dropped the conversation without effort, leaving me with a brilliant retort to the next silly question already quivering on my tongue.

Vouchsafing no answer to my original solicitous inquiry, Tom preserved a dignified, but wrathful silence while he fished about in his inside pocket, and meeting finally with his deserved reward, pulled out a letter and a neatly folded sheet of paper, the latter of which he passed to me without remark. I opened it with due circumspection, and saw four scrawly stanzas of verse entitled, "To Eleanore."

"Writing verses to Eleanore, Tom?" I inquired brilliantly. Eleanore is my cousin,

and Tom is dead stuck,—that is the whyness for his blues, I imagine.

“Yes, idiot,” was his considerate reply, adding further for my pacification, “Only a born fool would ask a question like that.” I subsided meekly, and asked with skilfully concealed curiosity whether I should read the poetry.

Tom’s silence gave consent and I labored through the following:—

“TO ELEANORE.

“The purple clouds are mirrored in the bay,
Which now reflects the countless tints of gold;
The lark doth thrill me with his early lay,
And Nature shows her beauties manifold.

“Amid the peace and quiet of the dawn
There comes a beam of light, a flashing ray;
The glassy sea displays a myriad hues,
And Nature blooms into another day.

“The sunbeam peeping wanton through thy blind
Doth sport upon the snowy whiteness of thy bed;
In freedom unrestrained, it lightly roves,
And heaps caresses on thy lovely head.

“Above thy hair a halo bright it forms,
Then sinks, and kisses soft thy lips and eyes;
Thou wakest to another glad bright morn,
And day is born again when thou dost rise.”

I gazed at Tom with gentle reproach. “I wrote that,” he apologized, “two days ago, the morning after I got home from the boiler test. I was feeling rather soft,—and the sun did shine beautifully that morning,” he mused, as though the memory of it still lingered brightly with him. “What you’ve read is a copy of the verses I sent her.”

He relapsed into silence, but I pursued him. “What did Miss Payton—Eleanore—have to say for herself, after the receipt of this choice effusion?”

“Here’s what I got this morning,” was his quick answer, as he wrathfully tossed me the envelope which he had been holding. It contained one of Miss Payton’s cards, on the back of which she had scribbled, “Dear Tom, Your verse is lovely, but how funny! My room is on the north side of the house, didn’t you know, goosey?”

Tom looked at me, disgust on every feature.

“Pleasant mode of receiving a man’s high-born flights of poetry, isn’t it? I’ll send her a book of log tables next time, by gad.”

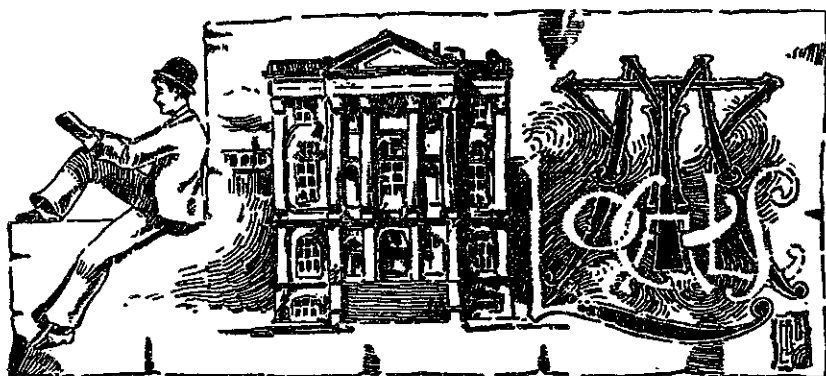
A New Alumni Association.

THE Philadelphia Alumni Association of the Massachusetts Institute of Technology was organized last night at a meeting held at the Colonnade Hotel. The meeting was followed by an elaborate banquet. The only offices filled at the business meeting were those of secretary and treasurer, to both of which Robert Johnson was elected. An executive committee consisting of Amos J. Boyden, Wilfred Lewis, S. S. Sadtler, and Augustus B. Stoughton was chosen. One of the duties of the committee will be to annually elect a president.

Thirty covers were laid for the banquet. The toastmaster was Amos J. Boyden, and the toasts and those who responded to them were: “The Institute,” Wm. Martin Aiken; “X-Rays,” Clayton W. Pike; “The Alumni Association,” Professor Frank W. Chandler; “The Old Grad,” William R. Webster; “The Young Grad,” Luther K. Yoder; “Technology’s Position Among Educational Institutions,” Wilfred Lewis.

Among those present were Professor Frank W. Chandler, of the Massachusetts Institute of Technology; Lieutenant A. W. Brown, of the Annapolis Naval Academy; William M. Aiken, Washington, D. C.; F. Belin Dupont, of Wilmington, Del. Professor Fred W. Mann, of the University of Pennsylvania, and Captain Lyle, of the United States Army, were also guests of the Association.

The first annual dinner will be on Saturday, the 7th of November, and at that time a President of the Association will probably be elected. Mr. Sadtler writes, “All I can say is that things are booming.”



The *Brunonian* says the only motto of the Brown battalion is "Beat Tech."

The class in Zoölogy will probably make an excursion to Nahant very soon.

During Professor Van Daell's absence, Professor Dippold took his German class.

By the will of the late Mrs. Dickinson Technology receives a bequest of \$40,000.

President Walker delivered an address on Immigration, at Amherst, on the 15th of April.

General Walker is giving a series of lectures at Amherst on "College Thought and Public Interest."

The course in Boilers for the third-year students in the Engineering Laboratory was commenced recently.

Mr. Prescott, of the Biological Department, is making special investigations on the action of Bacteria in Tannery.

Many of the instructors showed their respect to Junior Week by generously abridging assignments of work.

The class in Industrial Chemistry paid a visit to the Curtis Davis Soap Works, in Cambridgeport, last week.

Dr. Dewey delivered, on April 10th, an address on "Restricted Immigration," before the Massachusetts Reform Club.

A test of the engines and dynamos of the Boston Public Library is being made by Messrs. Jones and Hall, Course VI.

The regular work of the Laboratory of Applied Mechanics has been finished, and the machines are now free for thesis work.

The award of prizes for the Walker Club Poster Competition is announced as follows: Frank Bird Masters, 1st; Charles Ewing, 2d.

"A monument to the late Governor Greenhalge" is the problem given to the Junior Architects. This problem is due at the end of the term.

The prospectus of the University Cruise, which is to be made in the Mediterranean this summer, is attracting some attention in the General Library.

"I've seen the Wizard of the Niles this morning." "This morning?" "Yes, the assistant who works the lantern slides in Physical Geography."

Mr. Lambirth will give a course in forging, similar to that pursued at the Institute, at the Teachers' Summer School at Morningside Heights, New York, from July 6th to August 8th.

A new map of Venezuela, showing the position of the British claims from time to time, has been posted in the General Library for reference by students interested in that matter.

Course IX., Junior and Senior, was given an opportunity to see the census statisticians at their work in the Bureau of Labor Statistics, April 13th, through the kindness of Dr. Dewey.

A new weighing scale has been added to the cloth-testing machine of the laboratory of Applied Mechanics, making it much more sensitive, and at the same time increasing its capacity.

The bill on the metric system, which is now before Congress and bids fair to become a law, has excited considerable interest among Tech. men, who are all, needless to say, its strenuous advocates.

Professor Bemis, formerly of Chicago University, is delivering a course of lectures on Economics before the Women's Educational Union that are of great value to students of that science.

Mr. H. N. Parker, a special student in Chemistry and Biology at the Institute, has been appointed Assistant to the Biologist of the Boston Water Board, and has left Technology to carry on his work at the Chestnut Hill Reservoir.

At the last meeting of the Geological Club Mr. A. W. Grabau spoke on "Eight weeks in a geological camp at Eighteen Mile Creek, N. Y." The lecture was illustrated with a number of lantern slides.

The managers of the Tech. theatricals have reason to feel flattered at a communication received from an official of the Boston Public Library asking for a programme, to be placed on file in the library as a work of art.

Messrs. Lonngren and Colman, Course II., are making a series of tests on a battery of Stirling boilers, aggregating fifteen hundred horse power, at the bleacheries near Waltham. Most of the members of Course II. assisted in a continuous test recently made which lasted seventy-two hours.

A course in Industrial Biology will be open to Seniors in Courses V. and VII. next year. It will include treatment of Yeasts, of Moulds, as employed in the Arts and Industries, of the Fermentation processes, Brewing, Baking and Tanning, of Bacteriology as applied to Dairying and of other allied subjects.

The regular monthly meeting of the Southern Club was held Saturday, April 4th, at the room of Mr. H. P. Browne, '96. Arrangements were made for the annual dinner of the Club, which was held at the Thorndike Tuesday, April 21st. The next regular meeting will be at the rooms of Messrs. Bonnycastle and Robinson.

The Physics Department has purchased of the Westinghouse Electric Co. a 10 horse power dynamo giving either a direct current of about 120 volts or a quarter phase alternating current of about 90 volts. A peculiarity of the machine is that besides being used as

either a direct or alternating current dynamo, it may be used as a motor or rotary transformer. A machine of this kind is of great value in thesis work.

Advanced Course of Study Recommended to Candidates for the Degree of Master of Science in Course V.—First Term: Advanced Inorganic Chemistry, 15-30; Stereochemistry, 15-30; History of Inductive Sciences, 15-15; Industrial Electricity, 15-15; Electrical and Heat Measurements, Lectures and Laboratory, 30-30; Chemical Research. Second Term: Advanced Organic Chemistry, 15-30; Electro-chemistry, 30-60; History of Chemistry, 15-30; Proximate Technical Analysis, Lectures and Laboratory, 90-15; Sanitary Science, 15-0; Chemical Research.

The American Republican College League held its fifth annual convention at Chicago, on April third, in the Auditorium. The Republican clubs of Chicago received the many enthusiastic delegates with open arms, and made the convention a success socially, financially, and politically. Numerous addresses were delivered to the Convention by delegates and prominent Republicans of the country. Efforts will be made to form Republican Clubs in all colleges, and promote the united interests of all college Republicans. Mr. F. B. Whitney, of Williams, is chairman for the Department of Massachusetts, Rhode Island, and Connecticut.

The Thesis being rendered by Messrs. Leland and Bragg, of Course XIII., is quite novel. A model of the U. S. gunboat "Nashville" is being constructed and will be used to determine the stability of the vessel under different conditions. The model is planned in sections, each section representing one of the compartments of the vessel, such as the engine room, boiler room, etc. By removing any section and floating the model, the action of the vessel itself can be determined when the corresponding compartment is filled with water by some accident, such as gun fire or

torpedo attack. By a system of weights attached to the model it can be keeled over, thus determining the range and amount of stability under the different conditions.

During the vacation on the 19th and 20th of April, the first Boston Officers' Training Conference took place in the Y. M. C. A. Building. Four meetings in all were held, at which the officers and the chairmen of committees of the six Boston College Associations were present. The Conference, which was only a localization of the great student conference, which is held annually in some prominent Atlantic city, was called in the interest and for the benefit of the newly elected officers. Y. M. C. A. work, especially in college fields, formed the main subject for consideration. The M. I. T. delegates are considering the most feasible plans presented, and hope soon to put them into execution. With one of them, the Student House plan, all the students must be familiar. If students are called upon for any information, in the course of a few weeks, it is hoped that they will respond willingly and promptly.

The Secretary makes the following announcements in regard to scholarships. Applications for all except State scholarships should be made before May 1st, on blanks which may be obtained at the Secretary's office. In view of the large demands upon the limited funds of the Institute assistance is limited to those who have tried all other resources, and no application should be made by any student whose return is not likely to depend on the assistance applied for. Moreover, assistance must be confined to those who are doing good work, and for this reason recommendations in general can not be made until after the annual examinations. Applications for State scholarships should be made to the Secretary of the State Board of Education at the State House, on blanks furnished by him. While the State Board of Education

has full control of the award of State scholarships, it is customary to submit all applications to the faculty for endorsement as to standing and such advice as other data in possession of the Faculty may warrant. For this reason, although the scholarship committee has no authority to request conference, it will be glad to receive and consider all information. In any case students who intend to apply for State scholarships are requested to notify the Secretary.

The lecture on Emperor William I. as a man, given by Mr. Joseph Blachstein in the French and German course proved most interesting and instructive. Mr. Blachstein began by telling how William, the second son of Frederick Wilhelm II., received his education in the warlike times of Napoleon. He paid a glowing tribute to Queen Louise, the "Guardian Angel of Prussia," and traced her influence over her son. Mr. Blachstein related several anecdotes of the royal family, and spoke of the Emperor's first appearance on the battlefield. When his brother became king, William was his right-hand man. On account of his strict loyal, obedient character, he soon became unpopular with the liberal party in Germany at that time. The contrast between the characters of William and that of his brother was clearly brought out by the lecturer. When William became king, he declared he was king by "divine right," thus attacking the modern constitutional system of Germany. He systematically disregarded the German parliament. Mr. Blachstein traced the course of events down through the Franco-Prussian war, so far as they concerned William. He made his hero a living being, and showed clearly what humane traits were present, under a front which has often been termed stern and harsh. In concluding, Mr. Blachstein exhibited an autograph of the Emperor. The lecture was much enjoyed by the students, who all of them felt well repaid for coming.



There are only ten universities in Russia; the largest one is the University of Moscow, at which only 1,600 students are enrolled.

The committee on education has reported a bill to the Massachusetts Senate authorizing the state treasurer to pay annually after Sept. 1, 1896, to the treasurer of the Worcester Polytechnic Institute the sum of \$3,000, for the establishment of free scholarships in that school.

The foundation is being laid for the first building in the group which will comprise "The American University," of Washington, D. C. Although begun under the auspices of the Methodist Episcopal Church it is designed to make this a great National University. This first building is to be known as the Hall of History.

By vote of the Harvard Faculty the time of residence required for the degree of Ph.D. or S.D. has been shortened from two years to one. As the Dean of the Faculty points out, this does not signify a lowering of the requirements for those degrees. The change is made to allow greater freedom of intermigration between colleges.

There is little doubt now that inside of a few years a University Club will be established at Harvard.—Ed. in *Harvard Crimson*. The growing tendency of the larger colleges to have a common meeting place for all undergraduates and alumni cannot fail to have a tonic effect on the common spirit of the two bodies.



Grosvenor is getting affidavits to establish his World's Record in the 35-yard dash.

Technology has been invited to enter the relay races of the Harvard Open Spring Games.

Hubbard, '98, and Rumery, '98, both entered the Boston College Athletic games on the 7th.

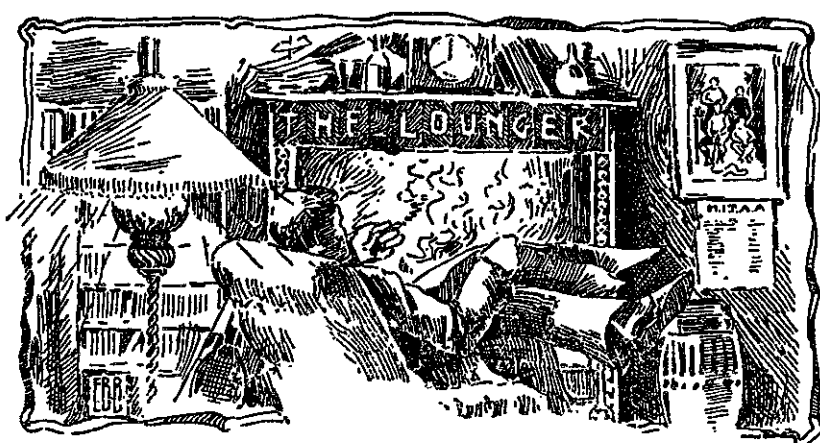
'98 won from Newton High Wednesday afternoon, April 15th, by a score of 13 to 6. Newton High obtained their six runs in the second inning.

California University will send an Athletic team of twenty-five men to compete with Harvard on May 20th, and with Princeton on June 3d.

The Tennis Association held a meeting last Friday and limited its membership to sixty. This number has at present been enrolled and a number of names are already on the waiting list.

Captain Cummings will call the Track Team out shortly. The Charles Bank Gymnasium will be used until the Irvington Oval is put in condition. The Oval will be improved this spring by banking the corners.

It is expected that Tech. will send a fast relay team to Philadelphia. A dozen men have been training for the team daily on Holmes Field, where the Cary Building and baths have been courteously placed at our disposal. The system of training which is followed is to run 300 yards fast, then walk 50 yards, and sprint the remaining 90 yards, and on alternate days to run the full quarter.



As the Lounger passed through the General Reading Room one day, intent, as usual, upon the observation of human nature, he descried a young Freshman toward whom, on account of family connection, his attitude is that of a paternal mentor. The youth was bent over a sheet of parchment, and his eyes were directed toward the zenith, while his whole expression was that of one in the agonies of composition. The Lounger approached and, thinking it his duty to investigate, perused what proved to be an epistle addressed to the Commandant of Cadets. It read as follows: "Sir, I have the honor to submit the following reasons for the consideration of the Commandant to account for my absence from drill on the nth day of April, 1896. Severe cold, effecting my ears and eyes, has necessitated my cutting all subjects which can be without inconvenience."

The Lounger was shocked at this sad account of the physical condition of his young charge; more acute, however, was anxiety for the latter's moral welfare, when he looked up and remarked, with an evil wink, "I went to the theater that day." Can it be that such depravity is common in the younger generation? Is this the fruit of the Colonel Commandant's instructions in the nature of a bluff?

This is the period when the steps of Rogers once more seem in great demand, and Technology appears to the uninitiated as a place where the weary may rest from their labors.

The attendants at lectures were few in number and restless in demeanor last week when the mercury registered 81°; and many a chemist in the Laboratory left his precious decoctions to boil unheeded, while he leant over the window sill and mused longingly upon some rural nook enshrined within his memory. It was indeed *en règle*, during those three days, to dream of [slow streams which mirror graceful willows; of moonlit hillsides, where one has wandered with the

original of the photograph on one's desk at home; and of piazzas by calm lakes where one has sat through long evenings with the solace of a certain tinkling greenish beverage, and the soothing murmur of an old chum's slow voice in one's ear. But though such reveries are seductive they are not stimulating. Stern duty calls, and the annuals are but too near. Then let those who hope for a Degree dream not, but rather grind on assiduously; the Lounger has no very well-grounded hopes in that direction himself.

With the approach of Summer come the manifold alleviations of the Lunch room. It is pleasant indeed to welcome the merry strawberry, the festive salad, and the soothing lemonade. Iced beverages of every description (at least all such as are not prohibited by the watch dogs of the Y. M. C. A.) gladden the eye and moisten the parched pharynx. Even pasteurised milk is now furnished, and with it a typewritten notice from the Biological Department explaining what it is. The Lunch Room, toward the end of the noon hour, is never crowded, and the Lounger is always sure to find the best of everything laid away by one of the attendant graces for his coming. This particular Hebe is more than usually assiduous; and her thoughtful care and delightful salads have helped to gladden many a hot and dreary day.

About this time the Freshmen will receive short and pithy documents from the Harvard Scientific School detailing in seductive phrases the diversified advantages of its curriculum. It is to be hoped that no weak son of '99 will yield to this temptation, or stray from the strait and narrow path into the broad road which leads to destruction. The snare is a skillful one, and perhaps some who are unfortunate in their finals may be lured away by it. This is well; for such would not, in all probability, reflect great credit upon Technology, while, on the other hand, they are likely to be well suited to the spirit of the institution across the Charles. Nevertheless the aim of increasing in number by capturing students who are unsuccessful at another Scientific School is not a laudable one for the department of a great university.

The Three Days of grace are over and the Lounger looks back upon them with gratitude. They served indeed a most worthy purpose as affording a period in which to recuperate from the exertions of Junior Week.



Revealed.

By the author of "Those Changing Skies," which was published through error.

I love this little book you gave,
With trembling hand and tear-dimmed eyes.
I wondered o'er your look so grave,
The secret of it open lies,—

For 'twixt these flowing lines I read
No tale the poet sought to tell,
But your life's joy and your life's need.
Come, smile with me,—for all is well.

M. W.

A SONG.

Knowest thou but joy,
Laughing lip and brilliant eye?
Sing not thou, for joy
Being joy, must shortly die.

Knowest thou but pain,
Tears so salt they sting like fire?
Sing not thou, for pain
Seals the heart from high desire.

But if both are thine,
Joy that shines through sorrow's sadness,
Sorrow mingling song with gladness,
Sing thou then, the world thee hears
And smiles through tears.

—Trinity Tablet.

IMMORTALITY.

The angry winds around my cottage roar
While all is warmth and cheer within. I seek
In vain to pierce the gloom. A sparrow, weak
And cold, glides in and flits about the floor,
Then on to darkness through another door.
So into life comes man from unknown bleak,
And toils and strives, and then, with pallid cheek,
He passes to the night, and—is no more.

No more? Sure every sea must have a shore.
Whence comes the thought that souls shall live again?
Implanted wish portends a fuller store,
And He who giveth time to mortal man
Can grant eternity as well. In love
I'll trust Him for the life I know not of.

—Lotus.

"APRIL FOOL."

She was a dainty little lady,
Yet she filled my heart with woe
When I asked her if she'd marry me,
And she sternly answered, "No!"

I turned away with feelings dismal,
At my *congé* curt and cool;
Then despair was turned to joyousness,
For she cried out, "April Fool!"

—Bowdoin Orient.

"SCALEY."

"Step on the scales," the grocer said
To a pretty maid one day,
"Of me you buy your meat and bread,
I'll tell you what you weigh."

Then sweetly answered she,
From lips just right to kiss,
"I'm sure 'twould not the first time be
That you have weighed amiss."

—Trinity Tablet.

THE NEEDFUL THING.

"Oh, ye plains of broad Sahara,
Rich in witchcraft's cunning art,
Pray tell me how to win a kiss
From her who holds my heart."

Then the plains of broad Sahara
Sent an answer to me, and
This the whole of what they told me,
"Come and get a little sand."

—Yale Record.

QUESTIONS.

Who can tell how violets grow
In the sweet spring weather
Made of clouds and sunny skies,
Smiles and frowns together?

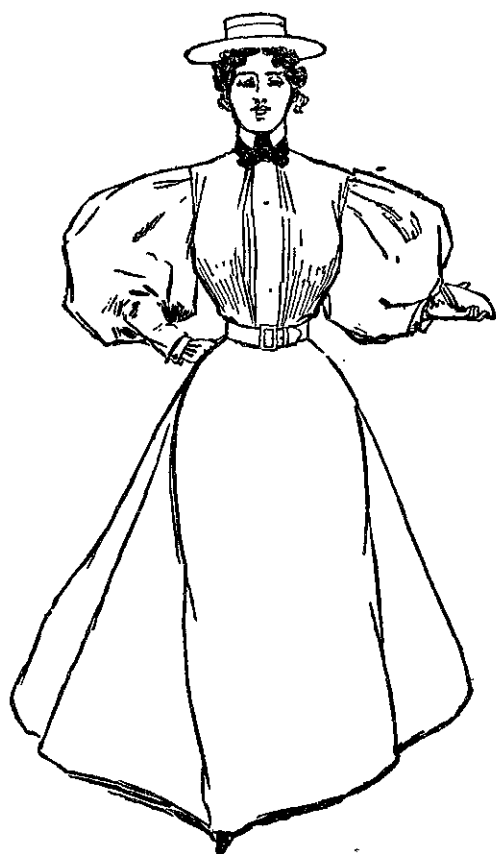
Laughing eyes as blue as they,
Can you tell me whether
Love will pass, as violets do,
With the sweet spring weather?

—Northwestern.

CONTENTMENT.

Yes, there's plenty of room at the top,
But to get there myself I shan't hump any,
For I think it more pleasant to stop
Lower down where there's plenty of company.

—Northwestern.



"I use a HUMBER cycle because it is THE BEST. I go to Noyes Bros. for my GOLF and Shirt Waists and Outing Goods, because they are up-to-date."

English Hold-alls.
Steamer Wraps and Rugs.
Golf Hose and Suits.

NOYES BROTHERS.

OPENING OF

HUMBER BICYCLES

AND LADIES' AND MEN'S OUTING GOODS.

2,000 of the Choicest Styles we have ever shown, and all Exclusive Patterns in

Madras, Cheviots, Oxford Cloths AND French Flannels.

Orders will be taken for Ladies' Golf Waists, Ladies' Shirts, Shirt Waists, Jackets, Skirts and Entire Suits, or sold by the yard in Dress patterns, if desired. Also for Children's wear.

For Men's and Youths' Business, Neglige and Outing Shirts. Dress and Business Shirts, \$1.50, \$2.00, \$2.50 and upward. Neglige Shirts, \$1.50, \$2.00 and upward.

PAJAMAS or East India Sleeping Shirts, and Long Night Shirts, made from English Flannels, Cotton and Silk, for steamer, sleeping car, yachting, or hunting.

NOYES BROTHERS,

Washington and Summer Sts., Boston, Mass., U. S. A.

Established 1828.

CHAUNCY HALL SCHOOL

HAS LONG MADE A SPECIALTY OF

PREPARATION FOR

TECHNOLOGY.

REFERENCE is made to the INSTITUTE FACULTY in regard to the thoroughness with which Chauncy-Hall pupils are fitted, not only for entering the Institute, but also for pursuing successfully their subsequent work. Preparation, also, for business and for college.

393 Boylston Street, Boston.

(Very near the Institute.)

If You Draw,

PURCHASE YOUR . . .

Drafting Instruments,
Drawing and Blue Process Papers,
Scales, Triangles, Curves,
T Squares, Colors, etc.,

FROM THE MANUFACTURERS.

Wadsworth, Howland & Co.,

INCORPORATED,

Branch Store: Grundmann Studios,
adjoining Architectural Building.

Main Office: 82 & 84 Washington St., Boston.

Factories: Malden, Mass.

SPECIAL RATES TO STUDENTS.

ALBERT BENARI, Tobacconist,

33 TREMONT STREET, - - BOSTON, MASS.

Cigarettes, Tobacco, and Smokers' Articles.
Agent for Hale's Smoking Mixture.

Scientific Books } DAMRELL & UPHAM,
The Old Corner Bookstore,
283 Washington St., Boston.

DR. CHARLES P. VESPER, DENTIST,

194 Boylston Street, opp. Public Garden,
Boston.

CLASS-DAY INVITATIONS,

BLANK BOOKS, FOUNTAIN PENS,
CAN BE FOUND AT THE CO-OPERATIVE STORE,
H. H. CARTER & CO., 5 Somerset St., near Beacon.

MANDOLIN, Banjo and Guitar Lessons.

Instruments, Best Strings, Latest Music, etc.

G. L. LANSING, No. 171 Tremont St.

Ask for Mr. Lansing.

Gentlemen! I wish to call your attention to the fact that I am **paying** the **highest Cash Prices** for **Cast-off Clothing**. Also **Cleaning** and **Repairing** done at short notice. Money to loan. Send postal to

M. KEEZER,

117 I-2 Pleasant Street, Boston.

I can be found outside the Technology Buildings on Boylston St. daily



MESSINGER & JONES,

High Class

Tailors,

388 Washington St., Boston.

ALL GARMENTS CUT IN STRICT ENGLISH STYLE.

M. I. T. Co-operative.

New Tech Fin.

HENRY GUILD & SON

Have the best Tech Pin yet for 75 cents; also a combination of gold and silver for \$1.25. For sale at the Institute and

433 Washington St., Boston.

STUDENTS

Are using **Boston Linen, Boston Bond and Bunker Hill** Papers and Envelopes in the different Colleges and Seminaries throughout the United States. We have over 250 varieties from which they select.

SAMUEL WARD COMPANY,

Paper Merchants, Stationers, Engravers and Printers,

49 Franklin Street, Boston.

ALL KINDS

Woodworking Machinery.

S. A. WOODS MACHINE CO.

172 High Street, Boston.

COLUMBIA TAILORING ROOMS,

Ladies' and Gents'

FINE * TAILORING.

DRESS SUITS TO LET.

Fancy Dyeing and Cleansing. Goods called for and delivered free.

597 I-2 TREMONT ST., BOSTON.

I. SHEINWALD, Manager.

PHILADELPHIA ICE CREAM COMPANY,

150 Tremont Street, Boston.

Telephone No. 1060.

E. M. LAWS, Prop.

Ice Cream Soda a Specialty.

Afternoon Delivery to Brookline and Highlands.

TECH Trade Solicited.

REPAIRING, ALTERING, AND PRESSING

Done promptly and in satisfactory manner.

Latest Style GARMENTS Made.

A. MOSMAN, 423 Boylston Street
(near Berkeley Street).

CHAS. C. HUTCHINSON, SURVEYING INSTRUMENTS,

Charts, Books, and Compasses.

150 AND 152 STATE ST., BOSTON.

ARCHITECTURAL PHOTOGRAPHS,

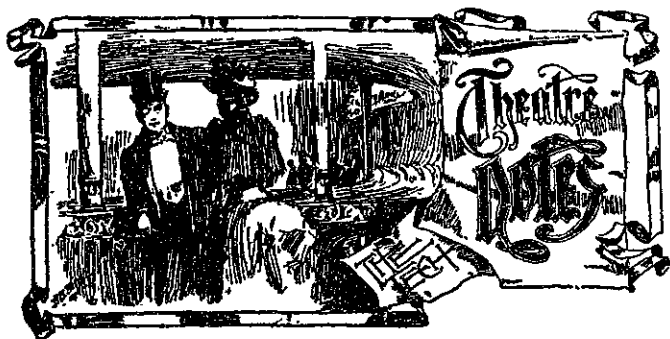
The Largest Collection in America.

All the best Public Buildings, Churches, Private Houses,
and Business Blocks in Boston and New York.
Richardson's Works of Importance from all over New
England. Also a complete line of

Art Photographs for Room Decoration.

STUDENTS WELCOME TO EXAMINE, WHETHER DESIRING
TO PURCHASE OR NOT.

SOULE PHOTOGRAPH CO., Publishers,
338 Washington Street, Boston.



Week beginning April 27, 1896.

Park Theatre.—Archibald Clavering Gunter's great production, "A Florida Enchantment," is to be put on the stage at the Park Theatre. This is a funny phantasy taken from the book of that name by the author.

Hollis Street Theatre.—The "Sporting Duchess," which is to be presented at the Hollis St. Theatre beginning April 27th, is the most magnificently and expensively staged play ever put on the boards. There are thirteen mammoth scenes, all firmly built, including a superb baronial hall, a billiard room, the tables, immense fireplace, and furniture being imported from England.

Boston Museum.—Frank Daniels has had an immense success at the Boston Museum in his impersonation of the Vagrant Prestidigitateur in "The Wizard of the Nile." The opera is full of

FALL GOODS NOW READY.

OF HAMILTON PLACE BOSTON.

fun and good music; some of the songs are sure to become popular. Mr. Daniels is particularly fortunate in his support, all of the company contributing respectively to the charm and amusement of the entertainment, and keep the house in a roar of laughter.

Tremont Theatre.—The Bostonians are sure of a hearty welcome at the Tremont Theatre on April 27th, when they open with "Robin Hood," that fascinating and melodious opera which delights us to hear again and again. In the cast is Jesse Bartlett Davis, Eugene Cowles, a new soprano, Helen Bertram, and Harold Blake.

Castle Square Theatre.—The Castle Square Opera Company are to give the opera of "Rip Van Winkle" for one week, beginning April 27th. In this opera Wolf is seen at his very best, and the whole presentation excellent in every detail. Great praise is due the management for the beautiful setting given this opera, which adds to the laurels of this most excellent and popular company.

Boston Theatre.—Joseph Jefferson will be the attraction at the Boston Theatre for a week, beginning April 27th, an opportunity all Bostonians will take advantage of to give the great actor a hearty welcome. We all go to see Mr. Jefferson, irrespective of stage character, prepared to admire everything.

LEADING OUTFITTERS

OF

High Grade Mackintoshes

AT POPULAR PRICES.

For the Principal Colleges in New England,
Regular Co-operative Discounts.

CLEVE & KRIM,

Metropolitan Rubber Co.

49 Summer Street, Boston.

Style and Wear

..IN..

FOOTWEAR

Made to Fit.

Economy in Prices—too.

Thayer, McNeil & Hodgkins,

Members of Co-operative. } 47 Temple Place, Boston.

F. L. DUNNE, Maker of Men's Clothes.

THE LATEST LONDON NOVELTIES
FOR MORNING, AFTERNOON AND
EVENING WEAR.

SOME NEW, EXCLUSIVE STYLES
IN RIDING BREECHES AND GOLF
SUITS.

TRANSCRIPT BUILDING, BOSTON.

COWLES ART SCHOOL,

145 Dartmouth Street.

Special attention given to EVENING CLASSES FOR TECH
STUDENTS in life and cast drawing.

Address _____

F. M. COWLES, Manager.

Tuition, \$4.00 per Month.

Three Evenings per Week.

THE BRUNSWICK BOSTON.

Boylston and Clarendon Streets,

(Adjoining Copley Square)

Near the Museum of Fine Arts,
New Public Library, New Old
South Church, and opposite
Trinity (Phillips Brooks')
Church, and Institute
of Technology.

KEPT ON BOTH AMERICAN AND
EUROPEAN PLANS.

BARNES & DUNKLEE, Proprietors.

H. H. BARNES, Manager.



WRIGHT & DITSON, Fine Athletic Supplies

OUTFITTERS TO THE LEADING NEW ENGLAND COLLEGES.

Lawn Tennis, Baseball, Golf, Uniforms and Supplies. Wright & Ditson's celebrated Tennis Rackets and Official Lawn Tennis Ball, adopted by the National Lawn Tennis Association, and must be used in all games. Baseball Supplies, Balls, Bats, Mitts, Masks, Chest Protectors, etc. Mail Orders will receive prompt and careful attention.

WRIGHT & DITSON, Boston, Mass.

Wholesale, 95 Pearl Street.

Retail, 344 Washington Street

DAME, STODDARD & KENDALL.

We are making a specialty of

FOOTBALL AND GYMNASIUM CLOTHING.

Also carry everything pertaining to Football and Gymnasium Purposes

Discount to Tech students.

NO. 374 WASHINGTON AND NO. 2 FRANKLIN STREETS, BOSTON.



The Richmond Straight Cut No. 1 Cigarettes.

Cigarette Smokers who are willing to pay a little more than the price charged for the ordinary trade cigarettes, will find this brand superior to all others.

These **Cigarettes** are made from the brightest, most delicately flavored, and highest cost **Gold Leaf** grown in Virginia. This is the **Old and Original Brand of Straight Cut Cigarettes**, and was brought out by us in the year 1875.

Beware of imitations, and observe that the firm name as below is on every package.

ALLEN & GINTER

THE AMERICAN TOBACCO CO., SUCCESSOR.

Manufacturer,

RICHMOND, VIRGINIA.

QUICK LUNCH BOYLSTON CAFÉ,

A. ALGAR, Proprietor.

707 BOYLSTON ST., corner Exeter.

HOTEL PLAZA,

419 Columbus Ave., Boston.

Pioneer of the new hotel center in Boston. Noted for its superb location, superior rooms, excellent cuisine and service. Standard hotel for giving more value for price than any first-class hotel in city.

BARBER SHOP

Everything in connection first class.
College work solicited.
Shaving, 10 cents.

BILLIARD ROOM

F. S. FROST, Pres.

H. A. LAWRENCE, Treas.

H. C. GARDNER, Sec'y

THE RIGHT PLACE TO BUY MATHEMATICAL INSTRUMENTS,

Colors, Drawing Papers, Blue Process Papers, T-Squares, Scales, Curves, Triangles, and all kinds of Architects' and Engineers' Supplies and

Artists' Materials

AND PICTURE FRAMES, IS AT

FROST & ADAMS CO., 37 CORNHILL,
BOSTON, MASS.

NEW CATALOGUE FREE ON APPLICATION.

Importers, Wholesale and Retail Dealers.

Special Rates to the M. I. T. Students.

"GET A REGAL ON."

**Tech
Boys wear
them.**



100 STYLES.

"FROM US TO YOU."

\$3.50

A PAIR.

109 Summer St.,
BOSTON, MASS.

ALLAND BROS.
PRACTICAL TAILORS,
3 and 4 Park Street,
(STREET FLOOR)
Notice our Window Exhibit.

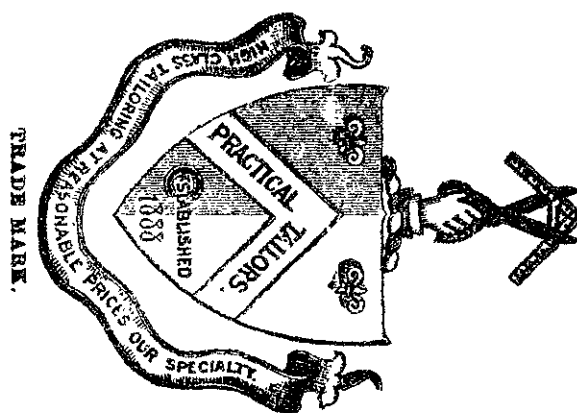
NOTE.—We are Practical Tailors and Cutters, and give our personal attention to the cutting and fitting, all garments being made up on the premises under our constant supervision, thus enabling us to produce the very best garment in fit, style, and workmanship, and at a price which we are confident is about one third less than the same class of tailoring elsewhere.

INSPECTION OF SAME INVITED.

TROUSERINGS, \$8 and upward.
Press Suits from all fashionable cloths, silk lined and faced, \$50 and upward.

Suits and Overcoatings,
\$35 and upward.

HIGH CLASS TAILORING
at Reasonable Prices
our Specialty.



Priest's Dining Room,

102 Dartmouth Street, Boston.

21 Meals (full ticket), \$4.00. 14 Meals, Breakfast and Dinner, \$3.00. 7 Meals, Breakfast, \$1.50.
7 Meals, Lunch, \$1.20. 7 Meals, Dinner, \$1.75.

HOURS FOR MEALS.—Week Days: Breakfast 6 to 10; Lunch, 12 to 2.30; Dinner, 5 to 8. Sundays: Breakfast, 8 to 10.30; Dinner, 12.30 to 3.30; Lunch, 5.30 to 7.30.

C. M. PRIEST, Proprietor.

NECKWEAR

UMBRELLAS

L. E. FLETCHER & CO.

College Hatters and Outfitters.

Latest Styles and Popular Prices. Custom Shirts a Specialty.

M. I. T. CO-OPERATIVE SOCIETY.

No. 158 Boylston Street, Boston.

GLOVES

CANES